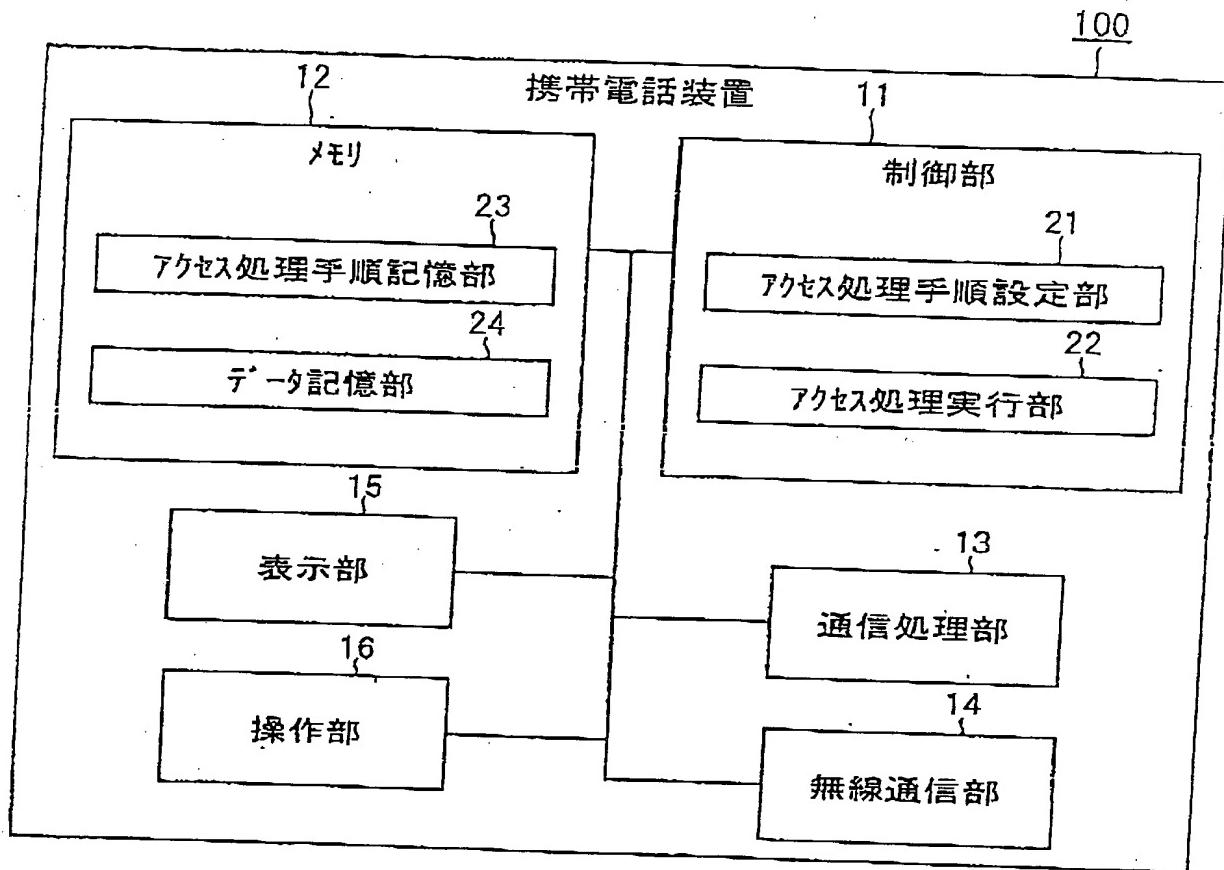
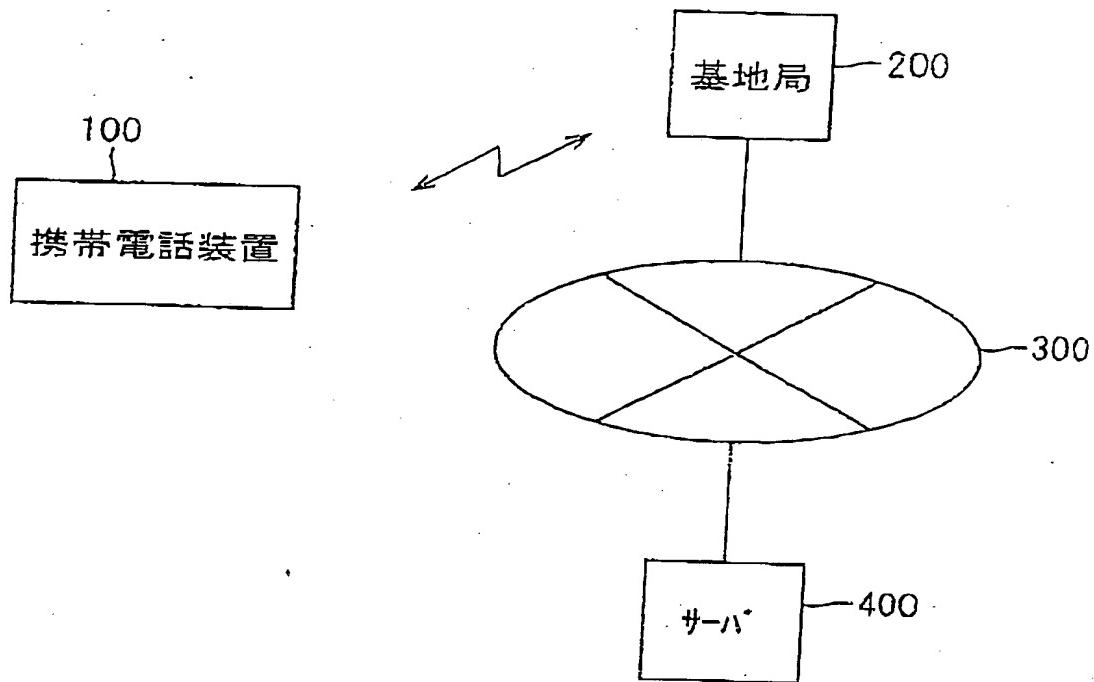


図1
Fig. 1



- | | |
|-----|---|
| 100 | PORABLE TELEPHONE APPARATUS |
| 12 | MEMORY |
| 23 | ACCESSING PROCESS SEQUENCE STORAGE UNIT |
| 24 | DATA STORAGE UNIT |
| 15 | DISPLAY UNIT |
| 16 | OPERATION UNIT |
| 11 | CONTROL UNIT |
| 21 | ACCESS PROCESS SEQUENCE SETTING UNIT |
| 22 | ACCESS PROCESS EXECUTING UNIT |
| 13 | COMMUNICATION PROCESSING UNIT |
| 14 | WIRELESS COMMUNICATION UNIT |

Fig. 2
—圖二

- 100 PORTABLE TELEPHONE APPARATUS
200 BASE STATION
400 SERVER

10/536662

图3

FIG.3

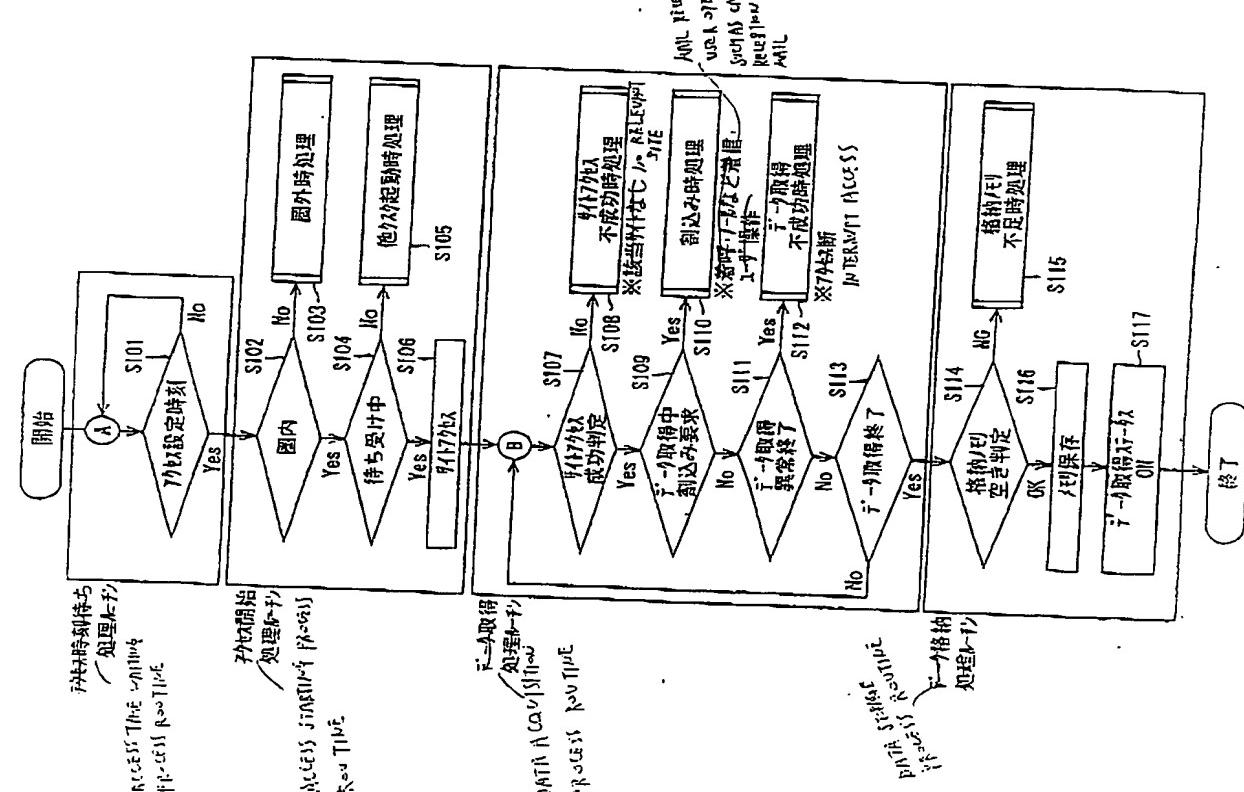
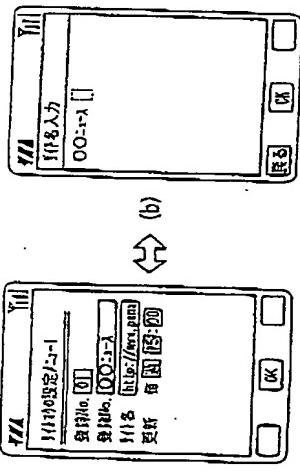


Fig. 4

FIG. 4(a)

SITE MACRO SETTING MENU 1
REGISTRATION NO. "oo NEWS"
SITE NAME
UPDATE, EVERY WEEK



(a)

FIG. 4(b)

ENTER SITE NAME
oo NEWS
RETURN

FIG. 4(c)

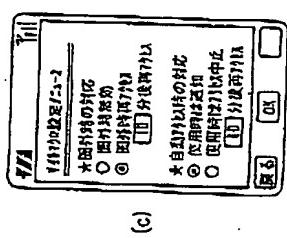
SITE MACRO SETTING MENU 2
CORRESPONDENCE OF OPERATIONS DURING OUT OF SERVICE AREA
INVALIDATE DURING OUT OF SERVICE AREA
RE-ACCESS DURING OUT OF SERVICE AREA
RE-ACCESS AFTER 10 MINUTES
CORRESPONDENCE OF OPERATIONS DURING AUTOMATIC
ACCESSING OPERATION
NOTIFY WHEN USED
CEASE ACCESS WHEN USED
RE-ACCESS AFTER 10 MINUTES
RETURN

FIG. 4(d)

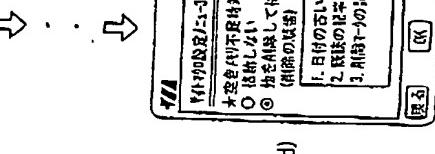
SITE MACRO SETTING MENU 3
CORRESPONDENCE OF OPERATIONS DURING EMPTY MEMORY SHORTAGE
NOT STORED
OTHER DATA ARE DELETED SO AS TO STORE ACQUIRED DATA
SEQUENCE OF DELETION
ARTICLE HAVING OLD DATE
ALREADY READ ARTICLE
ARTICLE WITH DELETION MARK
RETURN

FIG. 4(e)

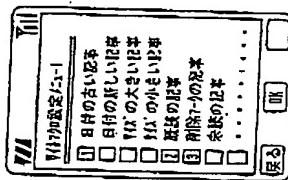
SITE MACRO SETTING MENU 1
ARTICLE HAVING OLD DATE
ARTICLE HAVING NEW DATE
ARTICLE HAVING LARGE SIZE
ARTICLE HAVING SMALL SIZE
ALREADY READ ARTICLE
ARTICLE WITH DELETION MARK
UNREAD ARTICLE
RETURN



(c)



(d)



10/536662

Fig. 5

FIG. 5

- START PROCESS OPERATION DURING OUT OF SERVICE
 S201 PROCESS OPERATION IS CEASED?
 S202 CEASE ACCESS PROCESS OPERATION
 S203 SET TIMER FOR RE-ACCESSING OPERATION
 END PROCESS OPERATION DURING OUT OF SERVICE

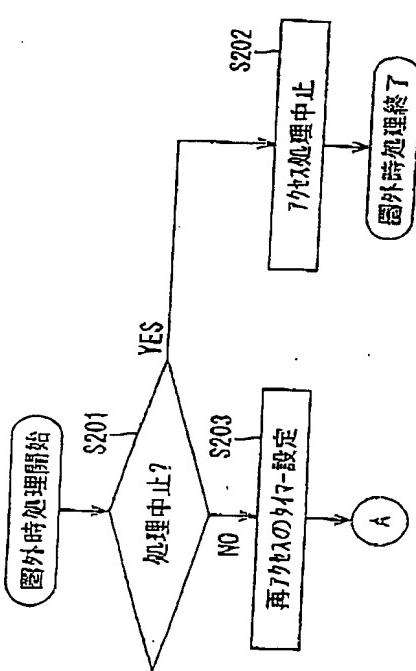


Fig. 6

- START PROCESS OPERATION DURING ANOTHER TASK INITIATION
 S301 NOTIFICATION IS DISPLAYED?
 S302 DISPLAY NOTIFICATION
 S303 ANOTHER TASK IS ENDED?
 S304 EXECUTE SITE ACCESS OPERATION
 S305 SET TIMER FOR RE-ACCESSING OPERATION

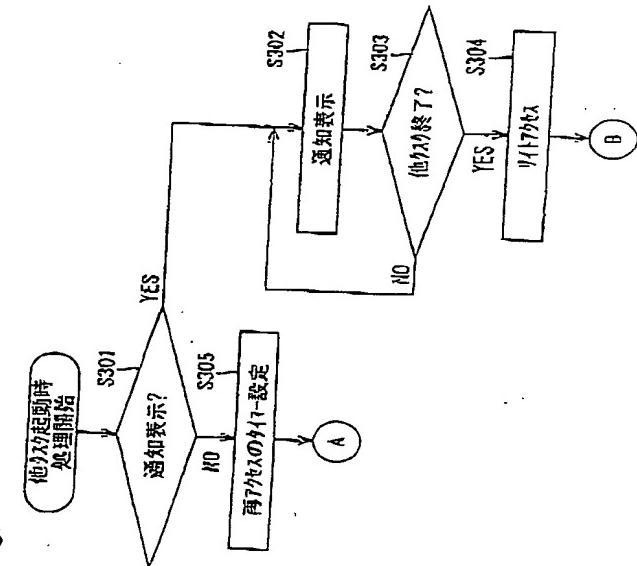


Fig. 7

FIG. 7(a)

START PROCESS OPERATION DURING ANOTHER TASK INITIATION

- S301 NOTIFICATION IS DISPLAYED?
- S302 DISPLAY NOTIFICATION
- S303 END ANOTHER TASK
- S304 EXECUTE SITE ACCESS
- S305 SET TIMER FOR RE-ACCESSING OPERATION
- S306 ANOTHER TASK IS ENDED?
- S307 CEASE SITE ACCESS
- END

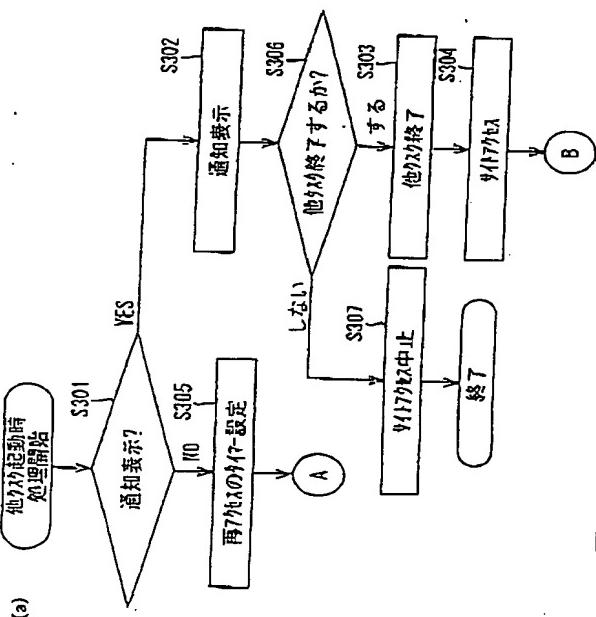


FIG. 7(B)

START PROCESS OPERATION DURING ANOTHER TASK INITIATION

- S301 NOTIFICATION IS DISPLAYED?
- S302 DISPLAY NOTIFICATION
- S303 END ANOTHER TASK
- S304 EXECUTE SITE ACCESS
- S305 SET TIMER FOR RE-ACCESSING OPERATION
- S306 ANOTHER TASK IS ENDED?
- S307 CEASE SITE ACCESS
- S308 PRESENT SITE ACCESS IS ENDED?
- END

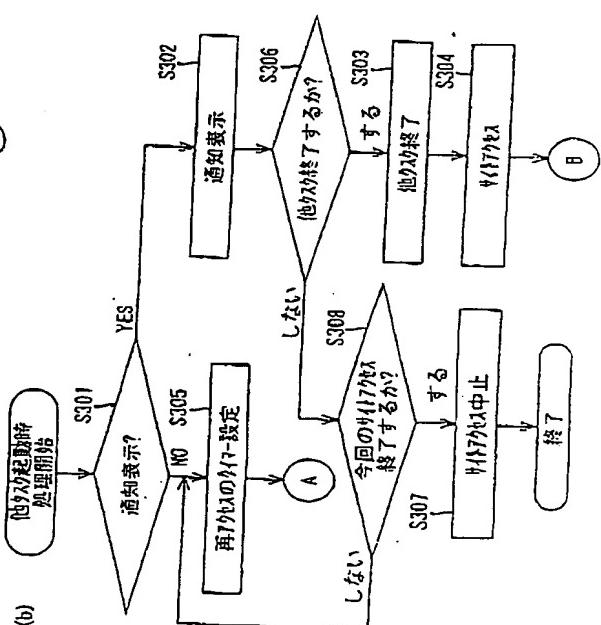
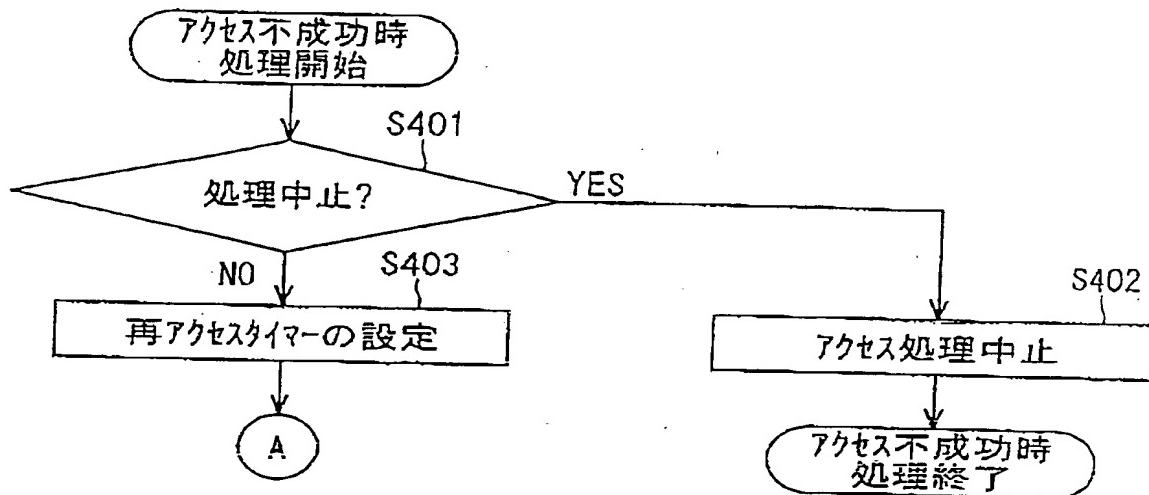


図8 Fig. 8



START PROCESS OPERATION DURING ACCESS FAILURE

S401 PROCESS IS CEASED?

S402 CEASE ACCESS PROCESS

S403 SET RE-ACCESS TIMER

END PROCESS OPERATION DURING ACCESS FAILURE

Fig. 9

FIG. 9

START PROCESS OPERATION DURING INTERRUPTION

- S501 TELEPHONE CALL IS RECEIVED?
- S502 DISPLAY CALL RECEPTION NOTIFICATION
- S503 DATA ACQUISITION IS INTERRUPTED?
- S504 NOTIFY CALL RECEPTION REFUSAL
- S505 MAIL IS RECEIVED?
- S506 DISPLAY MAIL RECEPTION NOTIFICATION
- S507 DATA ACQUISITION IS INTERRUPTED?
- S508 NOT EXECUTE MAIL RECEPTION
- S509 DISPLAY "UNDER DATA ACQUISITION"
- S510 DATA ACQUISITION IS INTERRUPTED?
- S511 CEASE USER OPERATION ETC.
- S512 INTERRUPT DATA ACQUISITION
- S513 SET TIMER FOR RE-ACCESSING OPERATION
- TO STEP S11

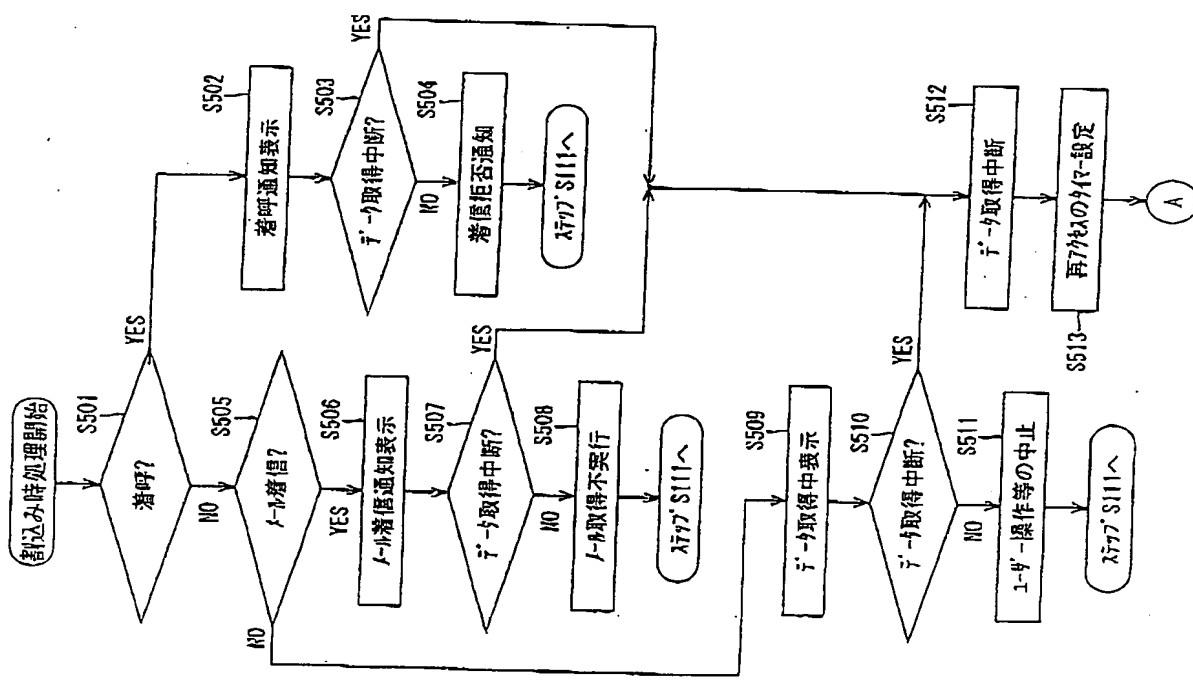


図10

FIG.10

START PROCESS OPERATION DURING DATA ACQUISITION FAILURE

- S601 PROCESS OPERATION IS CEASED?
- S602 CEASE DATAACQUISITION PROCESS OPERATION
- S603 SET RE-ACCESS TIMER
- END PROCESS OPERATION DURING DATA ACQUISITION FAILURE

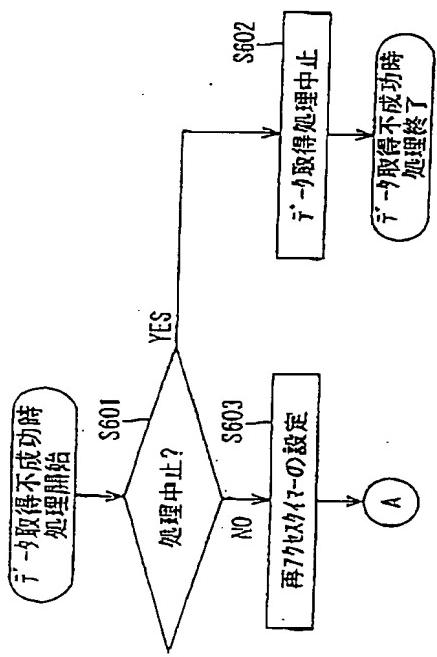


図11

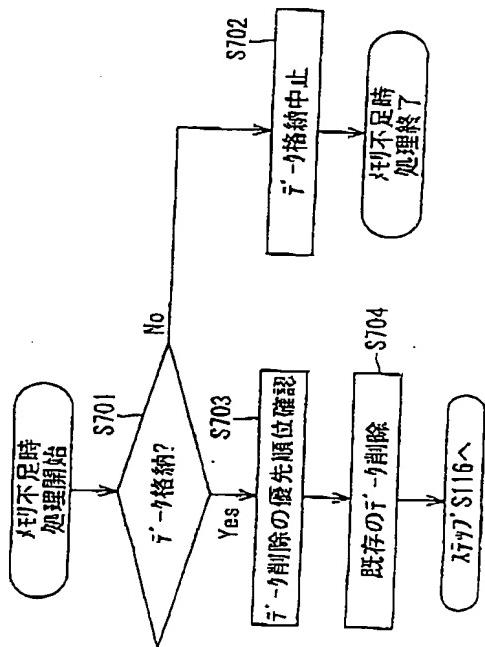
FIG. 11

START PROCESS OPERATION DURING MEMORY CAPACITY SHORTAGE

- S701 DATA IS STORED?
- S702 CEASE DATA STORAGE
- S703 CONFIRM PRIORITY ORDER AS TO DATA DELETION
- S704 DELETE EXISTING DATA

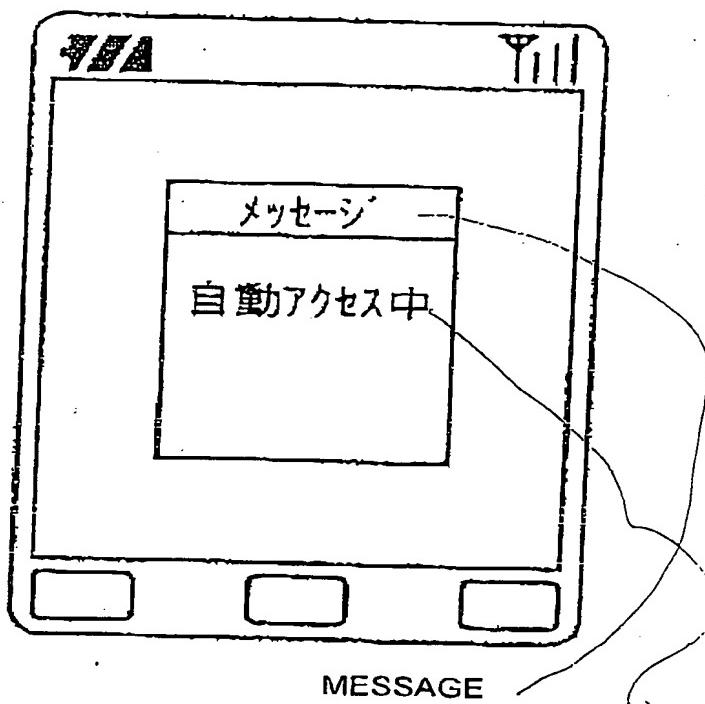
END PROCESS OPERATION DURING MEMORY CAPACITY SHORTAGE

TO STEP S116



10/536662

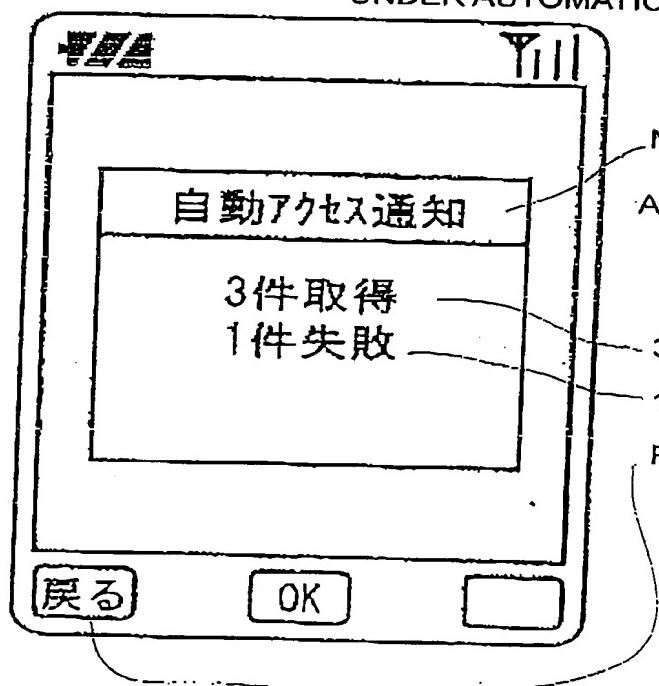
Fig. 12



MESSAGE

UNDER AUTOMATIC ACCESS OPERATION

Fig. 13



NOTIFY AUTOMATIC
ACCESS OPERATION

3 ITEMS ARE ACQUIRED
1 ITEM FAILED
RETURN

10/13

10/536662

Fig 14

FIG. 14(a)

ACQUIRED DATA LIST

o× NEWSPAPER

"NOT YET", xx NEWS

NEWS xo

"NOT YET", MACO RUSH NEWS

"FAIL", WEEKLY STOCK INFORMATION

VIEW MENU

FIG. 14(b)

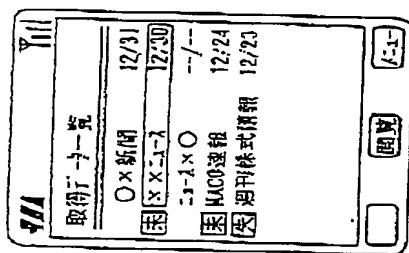
xx NEWS
ACQUISITION DATE

DELETE

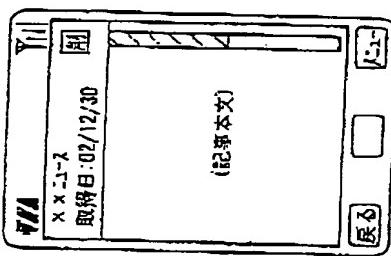
MAIN BODY OF ARTICLE

RETURN

MENU



(a)



(b)

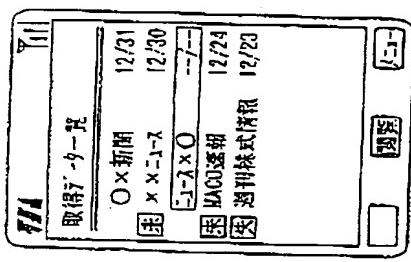
11/13

10/536662

Fig. 15

FIG. 15(a)

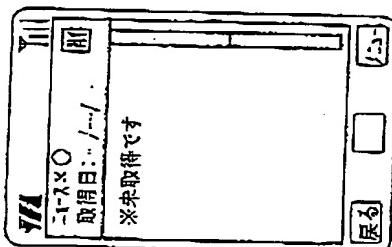
ACQUIRED DATA LIST
o× NEWSPAPER
'NOT YET', xx NEWS
NEWS x○
"NOT YET", MACO RUSH NEWS
"FAIL", WEEKLY STOCK INFORMATION
VIEW
MENU



(a)

FIG. 15(b)

xx NEWS
ACQUISITION DATE
DELETE
NOT YET ACQUIRED
RETURN
MENU



(b)

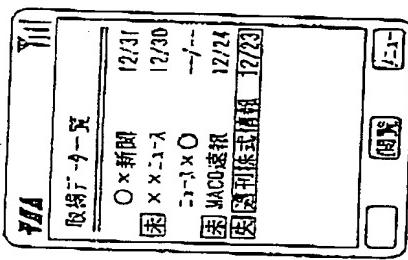
10/536662

FIG. 16(a)

ACQUIRED DATA LIST

o× NEWSPAPER
"NOT YET", ×× NEWS
NEWS ×○
"NOT YET", MACO RUSH NEWS
"FAIL", WEEKLY STOCK INFORMATION

VIEW
MENU



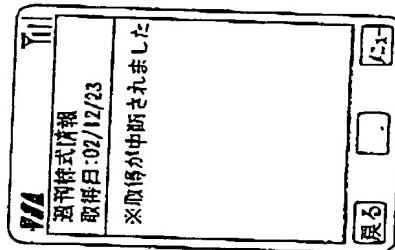
(a)

WEEKLY STOCK INFORMATION

ACQUISITION DATE
ACQUISITION WAS INTERRUPTED

RETURN
MENU

FIG. 16(b)



(b)